Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/17/2021 11:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124813	-1	2.01	124726	1.96
Blue	F	SSC	125000	124529	-1	2.46	124965	2.28
Blue	E	FITC	14284	13750	-4	2.91	384	13.83
Blue	D	PE	23919	23412	-3	2.4	556	11.08
Blue	B	PerCP-Cy5-5	31332	30707	-2	3.45	875	15.56
Blue	A	PE-Cy7	22272	21878	-2	5.31	456	31.7
Red	C	APC	47768	47175	-2	2.63	1621	12.06
Red	A	APC-Cy7	25313	24790	-3	3.02	701	12.77
Violet	B	V450	7085	6850	-4	3.39	476	11.35
Violet	A	V500	26969	25744	-5	2.97	882	8.3

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23723	4.13	588	-1	N/A	N/A	Pass
Blue	F	SSC	55626	2.31	524	3	N/A	N/A	Pass
Blue	E	FITC	58	54.24	495	-6	0.0415	58	Pass
Blue	D	PE	107	41.51	492	-5	0.3750	328	Pass
Blue	B	PerCP-Cy5-5	137	43.24	582	-6	0.0183	73	Pass
Blue	A	PE-Cy7	76	83.92	628	-7	0.0208	5	Pass
Red	C	APC	337	27.05	581	1	0.0247	143	Pass
Red	A	APC-Cy7	131	36.03	555	0	0.0058	1377	Pass
Violet	B	V450	82	48.71	450	-13	0.0676	3230	Pass
Violet	A	V500	105	31.3	460	-14	0.0254	970	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.03	-31.58	1.18
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.44
Red	14.69	13.60 - 20.40	N/A	N/A	29.90	30.31	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11546

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments